



CLIMATE CHANGE RESILIENT DEVELOPMENT

QUARTERLY IMPLEMENTATION REPORT

APRIL 2012 - JUNE 2012

July 23, 2012

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ACRONYMS

AGU	American Geophysical Union
ALM	Adaptation Learning Mechanism (website)
AMEs	Associations des Meres-Eleves
AP	Adaptation Partnership
APes	Associations des Parents-Eleves
CCRD	Climate Change Resilient Development Task Order
CIMPACT-DST™	Climate Impacts Decision Support Tool
CoP	Community of Practice
CSP	Climate Services Partnership
DCHA	Bureau for Democracy, Conflict and Humanitarian Assistance
E3	Bureau for Economic Growth, Education and the Environment
EGU	European Geosciences Union
ELI	Environmental Law Institute
EGAT	Bureau for Economic Growth, Agriculture and Trade (USAID)
E.O.	Executive Order
FCCM	Forest Carbon, Markets, and Communities Task Order
GCC	Global Climate Change
GLOF	Glacial Lake Outburst Flood
GPR	Ground penetrating radar studies
GUC	Grants Under Contract
HMGWP	High Mountain Glacial Watershed Program
ICF	ICF Incorporated, LLC
ICIMOD	International Centre for Integrated Mountain Development
IQC	Indefinite Quantities Contract
IRG	International Resources Group
IRI	International Research Institute for Climate and Society
ISSET	Institute for Social and Environmental Transition
IUCN	International Union for Conservation of Nature

IQC	Indefinite Quantities Contract
KM	Knowledge management
M&E	Monitoring and evaluation
NAP	National Adaptation Plan
NGO	Non-governmental organization
PMP	Performance Management Plan
RFA	Request for Applications
SAC	Senior Advisory Committee
SIWW	Singapore International Water Week
TMI	The Mountain Institute
UNDP	United Nations Development Programme
USAID	United States Agency for International Development
USG	U.S. Government
UT	University of Texas at Austin
V&A	Vulnerability and Adaptation
WASH	Water, sanitation and hygiene
Water II IQC	Integrated Water and Coastal Resources Management Indefinite Quantities Contract
WMO	World Meteorological Organization

A. INTRODUCTION

This report summarizes the activities undertaken by the consortium led by International Resources Group (IRG) during the quarterly reporting period, April 2012 – June 2012 under the Integrated Water and Coastal Resources Management Indefinite Quantities Contract (Water II IQC) Climate Change Resilient Development (CCRD) task order. The report covers project management and implementation activities undertaken and/or completed during the reporting period. The CCRD quarterly financial report and quarterly Performance Management Plan (PMP) report are provided as Annexes. The remaining sections are divided into four sections: 1) Project Management; 2) Objective 1 activities; 3) Objective 2 activities; and 4) Objective 3 activities.

The report includes updates on activities and tasks described in the CCRD Year One Work Plan Revised Draft:

Project Management, Planning, and Evaluation:

Task PM-1 Develop Year Two Work Plan

Task PM-3 Strategic & Implementation Planning

Task PM-4 Conduct Advisory Committee Meetings

Task PM-6 Develop & Disseminate CCRD Knowledge Management (KM) Products

Task PM-7 Implement Grants Under Contract Program

Objective 1: Support for USAID Missions and Bureaus

Task 1.1.1 Revise Vulnerability and Adaptation Manual

Task 1.1.2 Develop Climate Briefs and Annexes

Task 1.1.3 Develop Lessons Learned on Mainstreaming Climate Adaptation

Task 1.1.4 Prepare Case Studies to Demonstrate the Mainstreaming Guidance

Task 1.2.1 Understand USAID Bureau and Mission Needs for Climate Change Adaptation Tools

Task 1.2.3 Operate the United Nations Development Programme (UNDP) Adaptation Learning Mechanism Website

Task 1.3.1 Provide Capacity Building Support on Mainstreaming the V&A

Task 1.3.3 Support Development of USAID's Federal Agency Climate Change Adaptation Plan

Objective 2: Coordinate with Other U.S. Government (USG) Agencies to Support Mainstreaming

Task 2.1.1 Conduct Adaptation Partnership Workshops

Task 2.2.1 Facilitate Adaptation Partnership Communities of Practice (CoPs)

Task 2.2.2 Develop Adaptation Partnership Materials

Objective 3: Identify and Respond to Emerging Issues and Fill Gaps

Task 3.1.1 Support Preparation of National Adaptation Plans (NAPs)

Task 3.2.2 Develop the High Mountain Glacial Watershed Program (HMGWP)'s CoP

Task 3.2.3 Design and Conduct the Climber-Scientist Competitive Solicitation

Task 3.2.4 Implement CoP Pilot Projects and Research

Task 3.3.2 Coordinate Activities of the Climate Services Partnership

Task 3.3.3 Compile and Disseminate Current Climate Services Knowledge

Task 3.3.4 Conduct Case Studies and Assessments of Climate Services

Task 3.3.5 Economic Valuation of Climate Services

Task 3.3.6 Climate Information Guide

Task 3.3.7 Pilot National-Level Climate Services Analysis

A CD-ROM is provided with this report and contains all reports and presentations drafted and/or finalized during the 3rd Quarter of FY 2012. In addition, performance indicators and achievements for the reporting period are provided in Annex I, and financial data for the reporting period is provided in Annex II.

B. PROJECT MANAGEMENT, PLANNING, AND EVALUATION

Project management activities during the third quarter of FY 2012 focused on drafting the Year Two Work Plan, conducting two Senior Advisory Committee Meetings, developing and launching websites related to the Adaptation Partnership and Communities of Practice, the finalization of a Communications Plan, issuing two small grants solicitations, and hiring a CCRD Grants Manager.

TASK PM-1 DEVELOP YEAR TWO WORK PLAN

During the reporting period, CCRD staff drafted the Year Two Work Plan to incorporate new tasks and sub-tasks related to USAID- identified priorities.

TASK PM-3 STRATEGIC & IMPLEMENTATION PLANNING

On June 18, CCRD staff from ICF and IRI participated in a meeting hosted by USAID GCC Office to discuss opportunities for collaboration on health and climate services. CCRD staff summarizes capabilities of ICF Incorporated, LLC (ICF) and International Research Institute for Climate and Society (IRI) in the public health and adaptation arenas. It was proposed that ICF and IRI each develop concept papers for review by the Global Climate Change (GCC) Office and Global Health Bureau in July 2012.

TASK PM-4 CONDUCT ADVISORY COMMITTEE MEETINGS

Two Senior Advisory Committee Meetings were held during this reporting period, on April 18 and June 25, 2012, at IRG. The focus of the April meeting was small group discussions on potential activities to include in the CCRD Year Two Work Plan. Participants were divided into three groups: 1) Guidance, training, and capacity building; 2) Case studies and small grants; and 3) Emerging opportunities. In the June meeting, participants discussed the draft Year Two Work Plan and reported on recent events that CCRD staff had participated in, including the Monitoring and Evaluation (M&E) Adaptation Partnership Workshop, Adaptation Futures Workshop, and the European Geosciences Union meetings and upcoming events (Jamaica Workshop, Bangkok Adaptation Partnership Workshop, and the second International Conference on Climate Services.

TASK PM-6 DEVELOP & DISSEMINATE CCRD KNOWLEDGE MANAGEMENT (KM) PRODUCTS

During the third quarter, CCRD launched the redesigned Adaptation Partnership website, the High Mountain Glacial Watershed Program Community of Practice, and the Climate Services Partnership (CSP) website. Additional progress was made developing the CCRD website and the Central American Climate Resilient Agriculture CoP. UNDP's Adaptation Learning Mechanism (ALM) website is detailed under Objective 1, Task 1.2.3:

Prior to the launch of the new Adaptation Partnership (AP) website, the CCRD KM Team met with the State Department AP team and John Furrow to review site organization, content migration, and confirm plans for future content and activities to be hosted on the website. During this meeting, the group also discussed the need carefully review additional requests to develop communities from the AP workshops and requests to implement additional website functionality beyond what is currently planned.

The CCRD KM Team communicated closely with Daene McKinney to plan for the launch of the HMGWP CoP website, which was accelerated in order to coincide with the Nepal trek in June. Due to

the short development timeline, the site was launched with limited functionality and the main objective was to accommodate the posting of trek blogs and photos. Once launched, the CCRD Team facilitated the posting of blog and photos for the duration of the trek. The CCRD KM Team and the members of HMGWP team met in June to discuss how the website could be improved to better meet the needs of the community; many of the requested improvements will be met as all planned functionality is implemented at the end of this quarter and the beginning of the next.

The CCRD KM Team has bi-weekly meetings with the CSP Team to monitor progress on the development of the CSP site. During this quarter, a logo and website theming was designed, the website organization, layout, and taxonomy finalized, the website URL was secured, and a separate website was implemented. Currently, the CCRD KM Team is developing a timeline for the full launch of the website, implementing the site organization, and designing the interactive map feature requested by the CSP Team. The site needs to be launched before the next conference in September.

After reviewing and confirming the objectives, key audience, functionality needs, and layout of the CCRD website, the CCRD KM Team started the developing the website wire frames and design slides.

During the month of June, the CCRD KM Team responded to the request that the Central American Climate Resilient Agriculture CoP website be in Spanish rather than English and implemented this change on the existing site.

During the month of June, the CCRD KM Team implemented and tested the full website functionality that will be available to all project websites. This functionality will be rolled out on the AP website, the HMGWP CoP, the CSP website, the CCRD website, and the Central American Climate Resilient Agriculture CoP.

In addition, during the second quarter, the CCRD Communications Plan was finalized and the CCRD KM strategy was drafted. There were no major changes made between the Draft and the Final version of the Communications Plan, but the Final Version includes a more detail about target audiences. The draft KM strategy complements the Communications Plan and describes the principles governing the strategy and the priority activities, and presents a suite of KM tools and activities that may be implemented based on the specific object of the project task or sub-task.

TASK PM-7 IMPLEMENT GRANTS UNDER CONTRACT PROGRAM

This quarter, CCRD received 33 proposals for the dissemination of one-half million dollars in small grants under the High Mountain Glacial Watershed Program. The proposals are currently being evaluated by a technical review panel and will be awarded during the next quarter. As part of the quarterly and annual reports, IRG will provide a summary of Grants Under Contract (GUC) activities during the next reporting period.

CCRD also issued a solicitation in both English and Spanish for small grants totaling up to \$400,000, divided among two to four non-governmental organizations (NGOs), to implement activities that strengthen adaptive capacity in the agricultural sector in Central America and the Dominican Republic. The recipients are expected to submit their proposals within the first month of the next quarter.

In this reporting period, CCRD hired Lana Lightle as full-time Grants Manager. She will coordinate the preparation and solicitation of Requests for Applications (RFAs); assist international and domestic grantees with proposal budgets (as needed); develop an Evaluation Plan that will specify the criteria and methodology for evaluating the applications that is consistent with the information published in RFAs; manage and participate in the review process of grantee proposals, including determination of financial responsibility; monitor grantee spending, reporting, and payments; conduct an annual financial audit; monitor all grant activities for compliance with program Grants Manual and USAID regulations; and, participate in final review and close-out of grant activities.

C. OBJECTIVE I: SUPPORT FOR USAID MISSIONS AND BUREAUS

During the 3rd Quarter of FY 2012, CCRD worked on the climate mainstreaming guidance and supporting annexes, conducted discussions with USAID on decision and tool typologies, finished the first draft of a lessons learned paper on infrastructure, finalized planning for the Water, Sanitation, and Hygiene (WASH) case study in Iloilo in the Philippines, and collaborated with the GCC Office on the development of USAID's Climate Change Adaptation Plan.

TASK I.1.1 REVISE VULNERABILITY AND ADAPTATION (V&A) MANUAL

During the 3rd Quarter, CCRD completed a new draft of the guidance on vulnerability and adaptation, referred to it as Programming Guidance for Climate-Resilient Development, based on the annotated outline provided to CCRD by the GCC Office. As this is a joint effort, the GCC Office will review the new draft and make edits before the guidance is prepared for external review in the next quarter. CCRD partner ICF initiated work on a technical annex on climate vulnerability assessment, for review next quarter.

On May 30, 2012, the GCC Office's Jennifer Frankel-Reed, Peter Schultz, and Glen Anderson made presentations at the Adaptation Futures Workshop at the University of Arizona in Tucson, Arizona. The three presentations focused on USAID's prior and current work on the V&A and lessons learned in developing and implementing the V&A.

TASK I.1.2 DEVELOP CLIMATE BRIEFS AND ANNEXES

CCRD staff made progress during the quarter on two climate briefs, four annexes, and a series of infrastructure factsheets. A draft final version of the Water Annex was formatted for external review and the remaining three annexes were at an advanced level of development. The infrastructure factsheets and a synthesis paper on infrastructure and climate change were submitted for USAID review during the quarter.

CLIMATE BRIEFS

USAID's GCC Office has collaborated with the Global Health Bureau and the Water Team in the Bureau for Economic Growth, Agriculture to draft climate brief on health and adaptation and WASH and adaptation, respectively. CCRD formatted the briefs for production and IRI completed their review of the briefs and add short sections in each brief on climate services. These will be reviewed next quarter by CCRD and submitted to USAID for further review and revision.

WATER ANNEX

During this quarter, CCRD staff revised and completed a draft final version of the Water Annex. A "production" version was discussed with USAID and will be revised for external review next quarter. The team drafted Adaptation Actions on: 1) Storage; 2) Reducing Water Loss; 3) Creating New Sources of Water; 4) Water Demand Management and Reducing Water Usage; 5) Water Quality; 6) Structural Flood Protection; 7) Non-Structural Flood Protection; 8) Freshwater Ecosystems Protection; 9) Integrated Water Resource

Management; and 10) Energy and Water Interdependencies. The actions have undergone several reviews and revisions and will be incorporated into the production version for external review in the next quarter.

COASTAL AND MARINE ANNEX

CCRD staff member Yoon Kim and IRG Consultant Maria Haws have finalized the outline for the Coastal Annex with USAID, and have reviewed drafts of all of the adaptation actions. Next quarter, the adaptation action write-ups will be finalized and the body of the Coastal Annex will be drafted and reviewed by USAID.

DIFFERENTIATED VULNERABILITIES ANNEX

CCRD staff members Deborah Tepley, Rosamund Mische John, and Yoon Kim conducted research and developed an annotated outline for the Annex, requesting inputs from ICF and Manoff. Approval was received from USAID on the annotated outline, and a first draft is currently underway. During the next quarter, the draft Annex will be sent to USAID for review, and will be finalized by the end of the 4th Quarter.

GOVERNANCE ANNEX

During this quarter, Jessica Troell and Bruce Myers (Environmental Law Institute or ELI) met with several sectoral staff at USAID to garner feedback on the proposed Annex outline and tailor the Annex to the needs of the targeted sectors. Meetings included: Jim Franciewicz (Bureau for Economic Growth, Education and the Environment (E3/Water), Richard Volk (E3/Water), Barbara Best (E3/Water), Peter Giampoli and Tim Fella (E3/Natural Resource Management (NRM)/Resource Tenure), Sezin Tokar (DCHA/Hydromet Advisor), and Gary Eilerts (E3/Food Security). Talks are still planned with some additional staff.

Following these meetings, CCRD revised the outline and continued research. Marc Cassidy (IRG) also joined the drafting team, and during this quarter CCRD staff met three times to finalize the proposed contents of the Annex and to divide the writing into specific tasks. USAID's Jonathan Cook participated in this final meeting and provided input from the GCC. With the outline finalized, the team is in the process of writing the first draft for USAID review. In addition, Jessica Troell will be traveling to the Philippines as the co-lead of the water security assessment team for CCRD. During this trip, she will vet and test some of the content of the draft Annex in a field situation.

INFRASTRUCTURE FACT SHEETS AND SYNTHESIS PAPER

The purpose of this task is to develop materials for USAID mission staff that will: a) raise awareness about the potential impacts of climate change on infrastructure, b) provide basic information to missions on these impacts and the range of adaptation options available to address them, and c) promote the use of CCRD resources and technical support to help missions incorporate climate considerations into their programs and investment decisions. During this quarter draft fact sheets for the 11 categories of infrastructure were presented during the Senior Advisory Committee (SAC) Meeting. Based on comments from the SAC meeting, the fact sheets underwent two internal rounds of revisions and an additional fact sheet was developed for disaster-related infrastructure. These fact sheets were presented to USAID functional bureau staff where comments were collected, compiled, and addressed. Furthermore, the overview was reviewed and revised by the CCRD and USAID teams and was sent to draft production at IRG.

During the next quarter, the current version of the fact sheets will be sent to regional bureau staff for review. Based on comments, final edits will be made in order to present the fact sheets at the July Urban Adaptation meeting in Bangkok, which is sponsored by the Adaptation Partnership. At this point, they will be suitable for posting on the CCRD website and can also be produced in hard copy at CCRD's direction.

TASK 1.1.3 DEVELOP LESSONS LEARNED ON MAINSTREAMING CLIMATE ADAPTATION

The CCRD team developed an infrastructure lessons learned report, which aims to serve as a model for future lesson learned activities. ICF drafted the lessons learned report and submitted the document for review to the larger CCRD team during the Senior Advisory Committee Meeting. The report included five

overarching lessons, which contained a number of sub-lessons, as well as a short description of 15 examples used as case studies. Discussions about the content, style, and purpose of the lessons learned report have been occurring between ICF, IRG, and USAID throughout the quarter. Currently, ICF is waiting for further direction before modifications are made to the report.

TASK 1.1.4 PREPARE CASE STUDIES TO DEMONSTRATE THE MAINSTREAMING GUIDANCE

The CCRD prepared for the WASH Case Study. The case study will be conducted in the Philippines. Jennifer Frankel-Reed from GCC, Jessica Troell (ELI), Joel Smith (Stratus Consulting), Jason Vogel (Stratus Consulting), and Phil Brown (IRG consultant) will conduct the case study in Iloilo July 7-21, 2012. The team will meet with USAID and other Philippine government and non-government representatives in Manila then travel to Iloilo for meetings with local stakeholders, before returning to Manila to debrief with the USAID Mission. In advance of the TDY mission, the team reviewed documents on water resources, development, and climate change in the Philippines, communicated with the Mission about the objectives, process, and schedule for the mission. The team also developed a set of questions to use in its interviews.

IRG's John Kim will also participate in the mission and will work with Ms. Frankel-Reed and a local videographer to produce a video on water security and management issues in Iloilo. In advance of the trip, he worked with Ms. Frankel-Reed to "storyboard" the video that would be filmed during the mission. The video will be edited and finalized next quarter along with the case study.

TASK 1.2.1 UNDERSTAND USAID BUREAU AND MISSION NEEDS FOR CLIMATE CHANGE ADAPTATION TOOLS

The CCRD team is using consultations with USAID staff to understand decision-making needs. The information collected during the consultations will be used to frame and develop CCRD's knowledge management and communication strategies and future work plans.

During this quarter the CCRD team executed a consultation process that was used to collect information about decision-support needs within USAID HQ. It focused on understanding (1) the diverse set of decisions and/or activities undertaken by USAID HQ staff, (2) the information that is needed for these decisions/activities, and (3) the tools that are used to support these decisions/activities. The process has helped to identify any gaps in process, activities, information, and/or tools related to adaptation decision-making.

The CCRD team has conducted consultations with the core GCC adaptation team, including John Furlow, Nora Ferm, Jenny Frankel-Reed, and Ed Car. Information from the consultations was recorded and has been used to inform inputs to the CCRD Year Two work plan. A draft report has been developed based on these initial consultations. During the next quarter, consultations with key adaptation-related USAID staff outside of the core adaptation team will be conducted. Upon completion of these consultations the report will be finalized and submitted.

TASK 1.2.3 OPERATE THE UNITED NATIONS DEVELOPMENT PROGRAMME ADAPTATION LEARNING MECHANISM WEBSITE

CCRD, USAID, and UNDP have continued to communicate about the redesign and management of the ALM website. Currently, the CCRD KM Team is conducting a thorough review of the ALM website and will produce recommendations for improving functionality and design. The CCRD Team is communicating with Alten, the website design and production firm that implemented the existing site, and will work with them once the website redesign and/or upgrade requirements have been determined. Part of the review process has included a review of current site objectives and the target audience, and determining if these have changed since the original site was implemented.

TASK 1.3.2 PROVIDE CAPACITY BUILDING SUPPORT ON MAINSTREAMING THE V&A

From June 17 to June 29, The GCC Office and ICF's Mike Savonis conducted a site visit to Benin in West Africa. Its purpose was to further detail the project description, tasks, and activities to be conducted under a "Climate Change Integration Pilot Project" that was awarded to the USAID Mission in Benin on climate change and education. Extensive meetings with USAID Mission personnel were held with David Noble (Acting Mission Director), Scott Stofel (Program Officer), Cynthia Taha (Education Team Lead), Sharon Combest (WASH team lead), Pierre Achade (Foreign Service National), and Simone Brown. The site visit also included meetings with potential partners in the integration pilot and interested parties including: World Education, Caritas, ABMS (a subsidiary of PSI), and UNICEF.

A key feature of the site visit were inspections of potentially affected areas in the north of Benin (Malanville and Karimama) and interviews with villagers regarding the incidence and intensity of flooding events. Five villages were visited, including Tourah, Goungounberí, Maligoungoun, Buisia, and Gorou-Djinde. At each village separate meetings were held with the Associations des Mères-Elèves (AMEs) and Associations des Parents-Elèves (APEs) which serve as the Parent-Teacher Associations (PTAs) of the villages. Villagers provided important details on the nature, timing, and incidence of flooding, its impact on village life and schooling, as well as the potential for avoiding impacts. Their input necessitated changes in the scope of the pilot which was re-envisioned and is being written up for consideration by USAID Mission and HQ personnel. Further assistance may be necessary at USAID's request to complete the re-envisioning process and scope, and potentially another site visit in the October time frame.

TASK 1.3.3 SUPPORT DEVELOPMENT OF USAID'S FEDERAL AGENCY CLIMATE CHANGE ADAPTATION PLAN

The purpose of this task is to provide support for the development of USAID's Federal Agency Climate Change Adaptation Plan, under Executive Order (E.O.) 13514, Federal Leadership in Environmental, Energy, and Economic Performance. During this quarter, the CCRD team refined the scope of work based on USAID comments and then developed a number of interim deliverables contributing to the Agency Adaptation Plan. The interim deliverables included:

- High-level desk reviews of climate vulnerabilities for 25 of USAID's country and regional Missions. These 25 profiles were refined based on USAID comments.
- A technical memo summarizing the state of the practice within USAID on vulnerability assessment and adaptation, focused on (1) home office activities through the Global Climate Change Office, and through climate change coordinators in other regional and functional Bureaus and Offices; and (2) on-the-ground adaptation activities being executed by country and regional Missions.
- An outline and technical memo for the operations-related sections of the Agency Adaptation Plan, including an operations vulnerability assessment and adaptation-related actions supporting USAID operations.
- A technical memo identifying near- and longer-term vulnerability assessment and adaptation actions to be included in the Agency Adaptation plan.
- A revised outline for the Agency Adaptation plan.

Throughout the development of deliverables, the CCRD team communicated and met with USAID staff as necessary to ask and answer questions, update and maintain the schedule, and discuss products and processes.

During this reporting period, the CCRD team compiled the various components of the plan into a streamlined Agency Climate Change Adaptation Plan, in accordance with E.O. 13514. After the draft was circulated for internal USAID review, the CCRD team responded to all comments and delivered a revised plan along with a matrix summarizing all comments and responses.

D. OBJECTIVE 2: COORDINATE WITH OTHER US GOVERNMENT AGENCIES TO SUPPORT MAINSTREAMING

Objective 2 activities during the reporting period focused on support for the Adaptation Partnership including the convening of one workshop, planning activities for two additional workshops, the development of three Communities of Practice, and the production of two workshop reports.

TASK 2.1.1 CONDUCT ADAPTATION PARTNERSHIP WORKSHOPS

One Adaptation Partnership Workshop was convened during the 3rd Quarter of 2012 with assistance and financial support from the Department of State and USAID, in May (Bonn, Germany). The Adaptation Partnership workshops have attracted over 100 participants from more than 14 developing countries. Two additional workshops are in various stages of planning for July and fall of this year.

ADAPTATION AND MONITORING & EVALUATION (BONN)

The International Workshop: Tracking Successful Adaptation – Smart Monitoring for Good Results took place May 7 and 8, 2012 in Bonn, Germany. Peter Schultz, CCRD Deputy Chief of Party, presented on the “Status Quo of M&E Adaptation,” including the results from a survey on M&E on adaptation projects and programs. CCRD provided travel assistance to six participants, including representatives from government ministries in the Philippines, Colombia, Ghana, Egypt, and Bangladesh. The final report for the workshop is still being finalized, with input from USAID and CCRD.

BUILDING URBAN CLIMATE CHANGE RESILIENCE IN ASIA (BANGKOK)

The *Building Urban Climate Change Resilience in Asia* workshop will take place in Bangkok, Thailand July 31 – August 2, 2012. The objectives of the workshop are to: 1) increase capacity to understand best thinking in the field and explore available models and practices that address planning for climate change resilience; 2) create a community of practice around cutting edge approaches to resilience planning; and 3) generate practical follow-up steps for the community of practice. An estimated 60 participants will attend the workshop, including regional and global actors in resilient urban climate change adaptation, key stakeholders and champions from national level and mid-sized cities in the region, and members of the donor community.

The Institute for Social and Environmental Transition (ISET), a US-based NGO, is taking the lead for the planning of the workshop. Spencer Reeder with Cascadia Consulting will present on his CCRD-supported trip to Huế City, Vietnam where they piloted the Climate Impacts Decision Support Tool (CIMPACT-DST™).

CLIMATE CHANGE AND SECURITY (WASHINGTON, DC)

Climate change is particularly complex on a global scale, and may affect many dimensions of foreign policy, such as migration and displacement, human rights, economic development, humanitarian preparedness and response, food security, trade, and global health. An Adaptation Partnership workshop on security and climate change is in the early stages of planning. The workshop will gather leading experts from the development, adaptation, and security communities with a view to giving greater clarity on the relationship between climate change adaptation and peace and security (fragile and conflict-affected situations). The workshop will also provide an opportunity for these two communities to strengthen understanding of one

another's priorities, objectives, and needs and to begin working together more collaboratively around climate change adaptation efforts.

The Woodrow Wilson Center will take the lead on organizing the workshop with technical input from the Institute for Security Studies in Ethiopia. The tentative dates are the last week of October 2012.

TASK 2.2.1 FACILITATE ADAPTATION PARTNERSHIP COMMUNITIES OF PRACTICE

During the third quarter, progress was made on establishing Communities of Practice for the High Mountain Glacial Watershed Program (HMGWP), the Climate Services Partnership, and the Central American Climate Resilient CoP. The HMGWP and CSP CoPs are both reported on under Objective 3, "Identify and Respond to Emerging Issues and Fill Gaps." See Task 3.2 for HMGWP CoP and Task 3.3 for the CSP CoP.

TASK 2.2.2 DEVELOP ADAPTATION PARTNERSHIP MATERIALS

During this reporting period, CCRD finalized and produced the report for the Adaptation Partnership Workshop held in San Jose, Costa Rica, in March 2012, entitled "Assessing Climate Change Vulnerability and Building Resilience in the Agricultural Sector to Promote Economic Development and Food Security in Central America." CCRD also prepared the report summarizing the workshop in Bonn, Germany, entitled "Tracking Successful Adaptation – Smart Monitoring for Good Results," which took place in Bonn, Germany on May 7-8, 2012. This report will be finalized and produced during the 4th quarter.

E. OBJECTIVE 3: IDENTIFY AND RESPOND TO EMERGING ISSUES AND FILL GAPS

Progress was made on the three activities under Objective 3. Planning for the workshop in Jamaica next quarter continued and the High Mountain Glacial Watershed Program and the Climate Services Program made considerable progress on multiple activities.

TASK 3.1.1 SUPPORT PREPARATION OF NATIONAL ADAPTATION PLANS

CCRD is working with USAID to organize a workshop in July in Jamaica that will inform the process of developing an integrated policy framework that incorporates climate considerations and will build support for the proposed approach based on USAID's V&A methodology. CCRD staff members Deborah Tepley and Peter Schultz accompanied members of USAID's GCC Office, John Furlow and Mike Hanowsky, in May to conduct a scoping trip to Kingston, Jamaica to begin preparations for the July stakeholder consultations. The results of the trip have informed continued preparation, and CCRD is coordinating closely with USAID and the Government of Jamaica to prepare for the workshop, slated for July 26-27, 2012. During the quarter, CCRD also compiled information and documents on Jamaica's development goals and strategy and climate issues, reports and plans, and developed a matrix mapping initiatives in key sectors.

TASK 3.2.2 DEVELOP THE HMGWP'S COMMUNITY OF PRACTICE

CoP MEMBERSHIP/EXPECTATIONS

In April 2012, an HMGWP CoP one-pager was developed, outlining the goals and objectives of the High Mountain Glacial Watershed Program (High-Mountain_final.pdf). This document, along with an overview of the Climber-Scientist Competitive Solicitation (HMGW_Program_ClimberScientistSmallGrants.pdf), was emailed to potential CoP members on April 5, 2012 to gauge interest and confirm membership (Gmail-High Mountain Glacial Watershed Community of Practice.pdf). After the initial email, responses were documented and an initial CoP participant list was developed that is composed of individuals who confirmed their participation in the HMGWP CoP (Participant List- 12 Jun 2012.xlsx). The initial CoP participants were emailed a survey on June 18 to further gauge interest and to receive input from CoP members regarding their interest in the Community of Practice, their own background/interests, and to determine the services and outputs that would be most valuable for CoP members (HMGWP CoP Survey Email.doc; HMGWP CoP Survey.xlsx).

CoP PLATFORM

The CoP platform was developed by the technical team at IRG and launched in May 2012. During meetings in Washington, D.C. on June 19, the platform was further streamlined to meet goals for content, services (e.g. webinars, discussion board), and communication. As the website continues to be developed, the Facilitation Team will work closely to adjust the architecture of the website to meet functionality goals. Initial content includes introductory one-pager documents that outline the High Mountain Glacial Watershed Program and CoP. In addition, the blog and supplemental multimedia (photos and videos) from the May 2012 fieldwork in the Hinku and Khumbu valleys was uploaded. The Climber-Scientist Small Grants Solicitation was announced and posted. Additional content was requested from CoP members in the June 18 survey and email and will be uploaded as it is received. Rules and norms of behavior were detailed in the introductory

email to potential CoP members and the HMGWP overview (see High-Mountain_Final.pdf and Gmail- High Mountain Glacial Watershed Community of Practice.pdf). Once interested individuals respond, they receive the HMGWP CoP Survey, which acts as a membership form to obtain contact information/affiliation as well as receive feedback about the individual's background, interest and expectations for the HMGWP CoP, previous publications/research related to high mountains/glacial watersheds, and current activities. During a meeting in Washington, D.C. on June 19, the CoP Manager Katalyn Voss met with the core IRG technical team that will run the backend of the CoP platform to streamline the existing website. Specifically, questions regarding capabilities to upload content, conduct webinars, add members, send updates, and most effectively facilitate CoP member dialogues were discussed (Community of Practice Platform Comments.doc). The website is in development through the end of June/early July, and full functionality is expected next quarter.

COP SERVICES/EXPANSION

Based on responses from HMGWP CoP Survey, further activities and services will be developed and implemented. The inaugural quarterly community newsletter will be distributed the end of June/early July 2012 (Newsletter 1 – Spring 2012.docx). Initial evaluation and changes were made during a meeting between Katalyn Voss and IRG staff on June 18. See “19 June Meeting Summary.doc” for the meeting summary and follow-up work. A webinar will be developed and presented in Fall 2012. During a meeting in Washington, D.C. on June 19, CoP Manager Kate Voss met with the IRG technical team to discuss webinar functionality and CoP participation. The goal of the webinars is to renew ties with other members, share best practices, demonstrate tools/approaches, highlight a CoP member's current work, learn from other members, find opportunities to collaborate to advance the field of high mountain studies, etc. Potential topics for webinars include: “Introducing the HMGWP,” “Introduction to the Climber-Scientist Small Grants Program,” “Conducting Technical Glacial Lake Surveys: GPR and Bathymetry Tools,” and “Conducting Vulnerability and Adaptation Trainings with Local Communities”.

CoP MEETINGS

During fieldwork in July 2012, Dr. Alton Byers, Dr. Daene McKinney, Dr. Jorge Recharte, and Kate Voss began to conceptualize the 2013 Peru expedition and workshop, which will be the third CoP meeting. Byers, McKinney, Recharte, and Voss discussed the potential format as a “living laboratory” with several instructional modules and a trek to Lake Palcacocha, one of the most dangerous glacial lakes in the Cordillera Blanca; and/or other instructional field excursions. As the workshop undergoes initial planning in Fall 2012, funding details will be determined and potential co-financers will be identified.

CoP OUTREACH AND SERVICES

The inaugural newsletter will be produced and distributed at the end of June/early July 2012. The newsletter will feature news, updates, case studies, stories from the field, best practices, tools, and funding opportunities, and upcoming events. See separate attachment for current draft. Content is continuously collected and posted to the CoP platform. The 2011 Andean-Asian Glacial Lake Expedition and Conference Proceedings were finalized and the PDF was uploaded and circulated to all CoP members. During May 2012 fieldwork in the Hinku and Khumbu valleys, a daily blog was maintained and posted on the CoP platform to inform CoP members and stakeholders about the progress of the fieldwork and relevant stories from the field. HMGWP videos were screened, publications were distributed, and new funding opportunities were pursued at the 2012 National Geographic Society's Annual Explorers Symposium in June 2012. Other documents from the HMGWP, including the Glacial Lake Control and Management Manual (to be published in Summer 2012), High Mountain-Glacial Watershed Issues Paper (to be published Winter 2012), and Cordillera Blanca Glacial Lake Risk Perception Study, will be uploaded to the CoP platform and distributed to CoP members once they are ready to be published. Additional content from CoP members, including published articles, current news stories, grant solicitations, etc. will be uploaded to the CoP platform as they are received. An initial solicitation for content (specifically peer-reviewed articles) was sent in June 18 to the initial CoP participants along with the HMGWP CoP Survey. During a meeting on June 19, Kate Voss and the IRG technical staff discussed the best option for updating CoP members of new content.

CoP PRESENCE AT WORKSHOPS/CONFERENCES

A session specifically related to the HMGWP was developed and accepted for the annual American Geophysical Union (AGU) meeting in San Francisco in December 2012. The session is the Global Environmental Change Focus Group session on Glacial Mountain Watersheds. The session will feature four talks, and interested CoP members will be able to submit abstracts for the accompanying poster session. The session was organized, chaired, and convened by CoP members Daene McKinney, Bryan Mark, Richard Armstrong, and Jeff La Frenierre. The HMGWP will assist in coordinating a USAID-UNDP- International Centre for Integrated Mountain Development (ICIMOD)-Kathmandu University one-day workshop in September on Imja Lake Glacial Lake Outburst Flood (GLOF) Risk Reduction, which will discuss and consolidate the current state of knowledge of Imja Lake. This conference is in collaboration with the UNDP Imja Lake GLOF Risk Reduction Project. In addition, there will be a UNDP inception workshop in January 2013, which will begin to outline the potential options to reduce the GLOF risk at Imja Lake. HMGWP will participate in the International Union for Conservation of Nature (IUCN) Conservation Congress meeting in Jeju, Korea in September 2012. CoP members Dirk Hoffman and Gabriela Lopez will host a HMGWP panel at the Planet Pavilion event on September 7, 2012 that will include HMGWP videos, slide presentations, and posters. They will also attend a special “Great Trails of the World” event hosted by The Mountain Institute (TMI) at the Conservation Congress’s Knowledge Café event on September 8.

TASK 3.2.3 DESIGN AND CONDUCT THE CLIMBER-SCIENTIST COMPETITIVE SOLICITATION

TMI and University of Texas (UT) at Austin developed inputs to the climber-scientist small grants solicitation including, a list of funding priorities and criteria for judging proposals. Thirty-three proposals were submitted (one incomplete) to CCRD and the CCRD Grants Manager provided 32 proposals to TMI and UT on June 28. TMI’s Alton Byers and UT’s Daene McKinney were tasked to complete a thorough technical review of the proposals to CCRD by mid-July. Each proposal was to be thoroughly reviewed and ranked using guidelines that included assessment of proposal research methods, impact, replicability, project investigator qualifications, and other factors.

TASK 3.2.4 IMPLEMENT COP PILOT PROJECT AND RESEARCH

Under this task, field work was undertaken in Nepal and Peru. In addition, a presentation and poster for the Singapore International Water Week (SIWW) were completed.

NEPAL

Between mid-April and early June 2012, TMI organized and led a range of priority project development and research activities in the Makalu and Everest National Parks of eastern Nepal. They included:

- **April 18-28:** Reconnaissance of the rarely visited Thulagi glacial lake in the Manang region to assess its potential flood danger (Thulagi has been classified by ICIMOD as one the three most dangerous glacial lakes in Nepal) and its suitability as a future HMGWP work site (Participants: TMI’s Alton Byers, Ang Rita Sherpa, and Kate Voss).
- **May 4-17:** Glacial lake research, alternative energy analyses, high mountain awareness building research, alpine vegetation studies, and community meetings and future activity planning in the Hongu valley, Makalu-Barun National Park. The first ground penetrating radar studies (GPR) for the Dudh Pokhari and Tama Pokhari, both potentially dangerous glacial lakes, were conducted by UT (McKinney, Somos, Voss) with the assistance of TMI staff (Byers, Voss) and volunteers (J. McKinney). NGS Explorers Thomas Culhane and Chris Rainier conducted detailed alternative energy development and social media/awareness building analyses of the Hinku valley, where tourism is growing rapidly because of its proximity to one of Nepal’s most popular “trekking peaks” and as an alternative to the sometimes overcrowded Everest National Park. Byers re-sampled high altitude vegetation plots established in 2007 to assess possible changes in groundcover since TMI

helped establish the Mera Alpine Conservation Group the same year. MACG is a registered NGO committed to the protection and restoration of the fragile alpine ecosystems of the Hinku valley that were being destroyed by lodges and tourism in the 2000s, largely because of the practice of harvesting fragile alpine shrubs for fuel. Kerosene was substituted for alpine shrubs in 2007, and the results of the repeat transects showed a remarkable comeback of alpine vegetation in terms of percent coverage and absence of recent harvesting. Meetings with the MACG were held on May 24 and 25, where members expressed a keen desire to work in partnership with the HMGWP in future, energy, climate change adaptation, and conservation activities. A second GPR survey of Tama Pokhari, which flooded in 1998 causing extensive damage, was also completed by UT during this period.

- **May 17-30:** Following the departure of the NGS team, remaining TMI and UT members were met by IRG's Meghan Hartman in Lukla for the second leg of the field work. TMI's Alton Byers and Ang Rita Sherpa worked with Meghan during the trek to develop the most strategic and high impact V&A training component possible, the "community consultation" component of the UNDP Imja Glacial Lake Control Project that UNDP has invited the HMGWP to lead. Meetings with the Khumbu Alpine Conservation Council were also held to discuss the future V&A program, with Hartman also conducting interviews with community members. UT and TMI conducted GPR studies of the Imja glacial lake terminal moraine, data that will be shared with UNDP and other project partners once results have been analyzed. TMI conducted its semi-annual repeat photography of Imja lake (the base photo having been taken by climber-scientist Erwin Schneider in 1955), a qualitative research method that has proven to have enormous educational, awareness building, and benefits for both the scientific and lay communities alike.
- **June 10-15:** TMI's Alton Byers was invited to the NGS Explorers Symposium, an annual event that brings over 75 NGS explorers from around the world for a week of social media training, presentations, networking, and celebration of exploration in general. Alton Byers was invited by the NGS-Energy Grant program to submit a proposal for co-financing (\$100,000.00) of a proposed mini hydroelectric power plant in or in the vicinity of Dingboche. The proposal will be submitted by late July 2012.

TMI also was requested by AECOM/Bangkok to recruit Ing. Cesar Portocarrero on a subcontract basis to assess the technical work completed to date for the UNDP Imja lake management project by ICIMOD and Kathmandu University. Byers met with AECOM representative Lee Baker in Bangkok for further discussions, and with Cesar while in Kathmandu. TMI was also instrumental in encouraging UNDP to promote more and regular communication between all project partners that was largely absent in April. TMI arranged a breakfast meeting with most partners on June 2, 2012, and is in the process of planning an October 2012 one-day workshop in Kathmandu where all project partners can share the results of their respective tasks and deliverables.

PERU

Activities that commenced during the reporting period include the following:

- **Glacial Lake Handbook:** Ing. Cesar Portocarrero was contracted to author a handbook describing examples of Peru's successful control of potentially dangerous glacial lakes since the 1950s, following devastating floods in the 1940s that killed over 10,000 people in the Cordillera Blanca region. The handbook is intended to be a catalogue of engineering control methods, from the simplest of drainage canals (e.g., Laguna Cohup) to the engineering wonder at Laguna Paron, where a tunnel was drilled through 1,000 m of solid rock and fitted with lake level control valves. Approximately 15 case studies will be included, with the final draft report available next quarter. Following that, TMI will work with IRG to complete any necessary editing, formatting, and for the final publication and distribution of the handbook.

- **Risk Perception Study:** Dr. Jorge Recharte and Ing. Gabriela Lopez organized and implemented this activity in the rural and urban areas historically impacted by a Palcacocha lake glacial lake outburst flood in the 1940s, and which continues to represent a major threat today. Interviews in the second half of April and May 2012 were conducted with key informants in three communities located below Palcacocha lake (Unchus, Llupa y Marian). The mapping of institutional stakeholders in the city of Huaraz, and review of secondary literature, was completed, yielding information critical to the design of both the focal groups and the quantitative survey on risk perceptions posed by Palcacocha lake. Between June and the first week of July, focal group discussions were conducted with (i) 12 representatives of the Ministry of Education, including teachers and student associations from schools located in the area of GLOF impact; (ii) 21 representatives of government organizations that have direct or indirect responsibilities connected to GLOF prevention or emergency response, including the local public university; (iii) 14 representatives of community and grass roots organizations located in the upper basin of Cojup (Palcacocha Valley); and (iv) seven representatives of NGOs operating in the geographic area of impact or active in natural disaster prevention/response. During this period, a GLOF risk perception survey was designed (this is a statistically significant sample of 360 interviews with residents in urban and rural areas of the impact zone). The questionnaire was developed with input from key informants and focal group discussions, then tested with a small sample and applied (survey is to be completed July 12). Interviews and focal group discussions have identified the difference in perceptions amongst urban and rural residents, the latter favoring an integrated approach to watershed management and security of water for agriculture and fish farming, which are core livelihood activities in the valley. Participants in urban and rural areas have identified the lack of information, coordination, and mechanisms for citizen participation as a significant problem to promote projects that reduce the risk of GLOFs in an effective way. The final report is currently under preparation.
- **High Mountain Glacial Watershed Issues Paper:** World-renowned mountain geocologist Dr. Jack Ives was subcontracted to author a detailed outline for an HMGW Issues Paper that covered high mountain geography, physical and social attributes and characteristics, contemporary problems, research gaps, and resource bibliography. The outline was completed on July 11, 2012 and provided to IRG and USAID. During the next reporting period, Dr. Dion Alford will be recruited to write the full paper using the Ives conceptual piece as a general guideline. He will be assisted by Alton Byers, Jack Ives, and Daene McKinney. Once the draft has been completed, TMI anticipates working with IRG for the final editing, layout, publication, and distribution.

During the reporting period both TMI and UT also spent time assessing the feasibility of a 2013 HMGWP workshop and field expedition in Tajikistan. Following discussions with a number of experts, it was decided to hold the next workshop in the Cordillera Blanca of Peru, location of the 2009 “Adapting to a World without Glaciers” workshop funded by USAID and National Science Foundation (NSF), since the region is a “living laboratory” of high mountain projects and research in both the social and physical sciences. Invitees will include a larger contingent of Central Asians as well as Climber-Scientist grant awardees, 2011 Andean-Asian Glacial Lake Expedition participants, prominent high mountain social and physical scientists, and government and NGO representatives. The workshop will include a number of all-day, field-based training courses that may include V&A, community water quantity and quality projects, GPR training, bathymetric survey training, and others. A Central Asian Workshop and Field Expedition Planning Group will be assembled with the objective of beginning the preliminary planning and logistics necessary to host workshop, field visit, and pilot project(s) in Tajikistan in 2014.

TASK 3.3.2 COORDINATE ACTIVITIES OF THE CLIMATE SERVICES PARTNERSHIP

Since April, the CSP Coordinating Group has held three coordinating group calls, in which a number of activities were decided – all of which are summarized in call reports. The CSP has also produced a two-page flyer and selected a logo (see CD-ROM).

The CSP has engaged in the planning of the International Conference on Climate Services, to be held in Brussels the first week of September. This has involved securing speakers, organizing side sessions with World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP) Financial Initiative, and planning the conference structure. A preliminary agenda is included on the CD-ROM. More than 50 people are currently registered for the conference.

CSP members have attended meetings, including: the annual meeting of the European Geophysical Union (EGU) (April), Adaptation Futures (May), Challenges of Index-Based Insurance for Food Security in Developing Countries (May), the ICARUS Conference (May), the European Climate Service Initiative (May), and Rio+20 (June). Abstracts for EGU and the ICARUS conference are included on the CD-ROM.

The Partnership is also involved in planning a “Farmer-Focused Climate Information and Advisory Services in Africa and South Asia: Scaling Up Good Practice,” which will be held in November in Arusha. The flyer for this workshop is on the CD-ROM.

The group has had initial discussions on formalizing membership in the Partnership itself. Though there will be a good deal of discussion before this is finalized, a draft version of membership criteria is on the CD-ROM.

TASK 3.3.3 COMPILE AND DISSEMINATE CURRENT CLIMATE SERVICES KNOWLEDGE

The CSP website address has been secured: <http://www.climate-services.org>. Work is ongoing with IRG staff to design and launch the website. A brief outline of the website is included in on the CD-ROM.

TASK 3.3.4 CONDUCT CASE STUDIES AND ASSESSMENTS OF CLIMATE SERVICES

More than 40 case studies have been pledged as part of the CSP knowledge capture effort; more than 20 initial drafts have already been received and the CSP secretariat is working to help edit and finalize these case studies. Additionally, interns are currently in Venezuela, Indonesia, India, China, and Ecuador gathering case studies and will report in the next months. The initial tranche of case studies will be completed in time to present at the International Conference on Climate Services; in the future, meta-analysis of the case studies will be conducted. Evaluations are being conducted in Mali and India; a smaller effort is being conducted with the International Federation of the Red Cross.

TASK 3.3.5 ECONOMIC VALUATION OF CLIMATE SERVICES

The Economic Valuation Working Group participated in several activities at the European Geophysical Union meetings in Vienna in April 2012. Glen Anderson and Janet Clements (Stratus Consulting) made a presentation in the EGU session on climate services, titled, “Climate Services for Development Planning and Implementation: A Framework for Assessing and Valuing Climate Services. Glen Anderson also made a short presentation in the Town Hall Meeting organized by the WMO at EGU. The Working Group also met to discuss progress since the last meeting of the group in New Orleans in January. Janet Clements made a presentation at the Working Group meeting covering the summary of more than 100 articles on the topic of economic valuation.

The Working Group is in discussions with the WMO to convene an expert’s workshop on methodological issues in valuing climate services. In addition, CCRD will reopen discussions next quarter with the WMO regarding a follow-up meeting to the International Conference on “*Secure and Sustainable Living: Social and Economic Benefits of Weather, Climate and Water Services*” that was organized by WMO in Madrid, Spain from March 19-22, 2007.

TASK 3.3.6 CLIMATE INFORMATION GUIDE

The CSP is also affiliated with two projects to develop guidance documents for climate services professionals – a Guide for Development Practitioners, and a more technical Climate Information Guidebook. The last quarter has seen initial discussions regarding both of these documents; the former will be completed by the end of June, leading to the development of training materials in later months. The Climate Information Guidebook is still in the concept note development phase, pending consultations with WMO.

TASK 3.3.7 PILOT NATIONAL-LEVEL CLIMATE SERVICES ANALYSIS

A regional training on variability and predictability of agrohydroclimatic characteristics of the West-African rainy season was conducted in Niamey, Niger, May 7-12, 2012. The first two days were led by Dr. Seydou Traore (Agrhymet), consisting of using INSTAT software to calculate rainy season onset/end, and number of dry spells from the participants' station data sets, and formatting for CPT. Days 3-6 were led by A. Robertson (IRI) and A. Giannini (IRI), consisting of lectures on tailored forecasts, and the ocean's influence on West African climate, and exercises with (mostly) CPT and one session at the end with the “R” public-domain software package. The second week of the workshop was then dedicated to preparing forecasts for the 2012 rainy season, to be presented at the PRESAO (though IRI participants were only present for the first week). A workshop report is included on the CD-ROM.

In addition, three members of Agrhymet will visit the IRI in July to be trained on the use of the IRI Data Library. For the same reason, members of the IRI DL team will visit Dar es Salaam beginning July 4, 2012.

F. CCRD PERFORMANCE INDICATORS AND ACHIEVEMENTS

During FY 2012 Quarter 3, CCRD implementation activities related to three Adaptation Partnership workshops (Germany, United States, and Niger) contributed to Performance Indicators #2 (Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance) and #5 (Number of institutions with improved capacity to address climate change issues as a result of USG assistance). In addition, indicator information is provided for Indicator #10 (Number of people logging on to/accessing the adaptation-related websites supported with USG assistance), but only for the Adaptation Partnership website.

In addition, CCRD activities during the quarter have provided the groundwork for numerous achievements that will be included in next quarter's report. These efforts are summarized below:

Indicator #2 and #5 – Adaptation Partnership workshops:

- M&E workshop in Bonn, Germany
- Adaptation Future's Conference in Arizona, U.S.
- Niamey, Niger Regional Training workshop

Indicator #7 – Mainstreaming guidance, water annex, infrastructure synthesis report and factsheets will provide new tools to support adaptation planning

Indicator #8 – Cascadia will conduct vulnerability assessment in Hue, Vietnam

Indicator #9 – Participants in the communities of practice for the High Mountain Glacial Watershed Program and the Climate Services partnership will be registered on the redesigned Adaptation Partnership website and the new Climate Services website. A third community of practice is under discussion to link Central American practitioners interested in climate adaptation in agriculture

Indicator #10 – CCRD will continue to monitor visits to the redesigned Adaptation Partnership website and the High Mountain Glacial Watershed Program page during the next quarter.

ANNEX I. CCRD

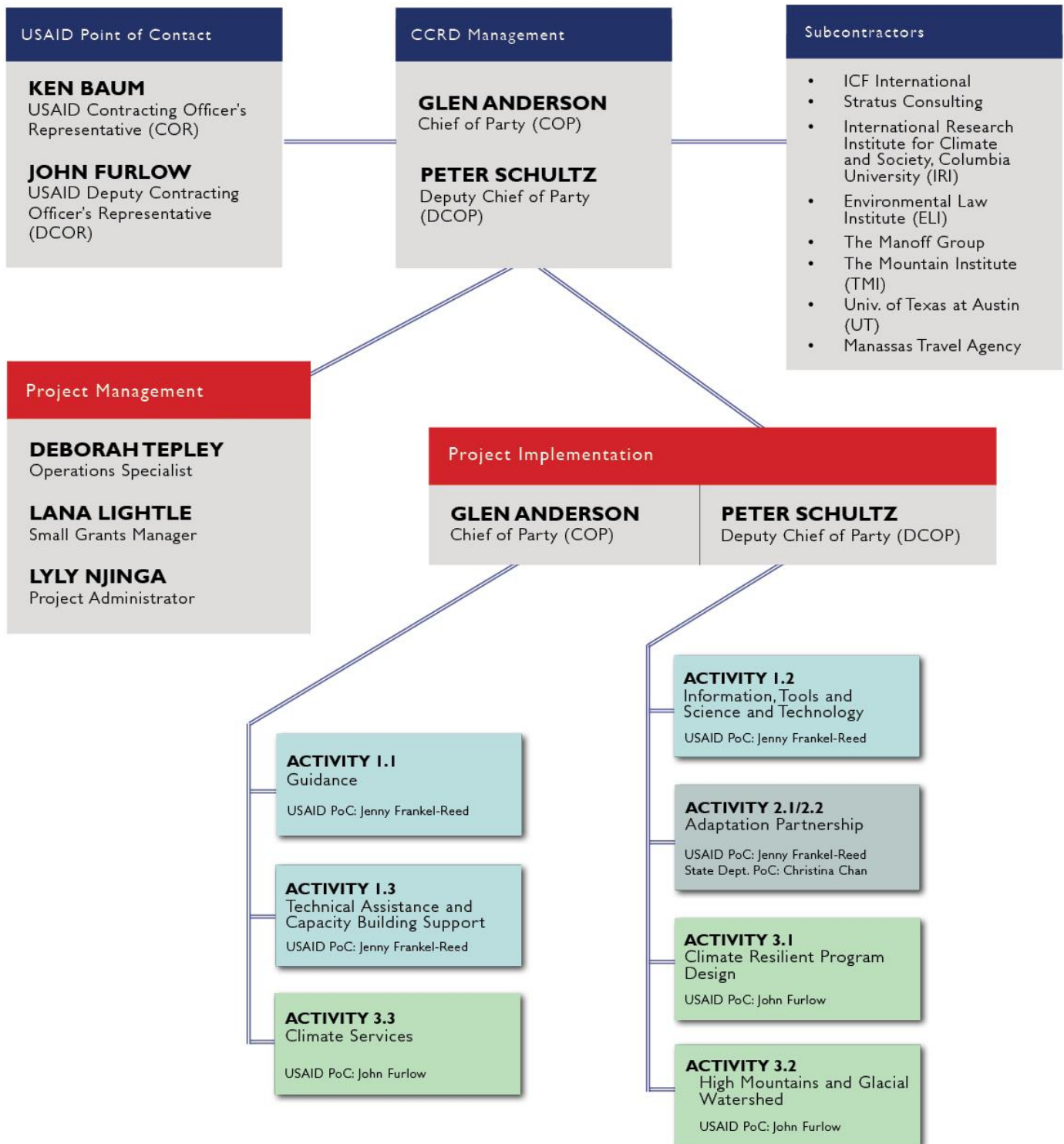
PERFORMANCE INDICATORS

AND ACHIEVEMENTS

#	Indicator	Unit	FY 2012 Tar get	Achievement – FY 2012				Remarks	Cumula tive
				Q TR 1	QT R 2	QT R 3	QT R 4		
1	Number of people with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding) MEN								
	Number of people with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding) WOMEN								
2	Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance) MEN	num ber/ hour s		20 / 16 0	69/ 165 6	18/ 126		Quarter 1: New York Adaptation Partnership Workshop, October 20, 2011 Quarter 2: South Africa (February 2012) and Costa Rica (March 2012) Adaptation Partnership Workshops	89/1816
	Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance) WOMEN	num ber/ hour s		9/ 72	29/ 696	3/ 48		Quarter 3: Adaptation Partnership workshops: Germany (May 2012), U.S. (May-June, 2012) and Niger (May 2012)	38/768
3	Number of laws, policies, strategies, plans, agreements, or regulations addressing climate change officially proposed, adopted, or implemented as a result of USG assistance								
4	Amount of investment leveraged in U.S. dollars from private and public sources, for climate change as a result of USG assistance								

#	Indicator	Unit	FY 2012 Target	Achievement – FY 2012				Remarks	Cumulative
				Q TR 1	QTR 2	QTR 3	QTR 4		
5	Number of institutions with improved capacity to address climate change issues as a result of USG assistance			28	81	21		See Indicator #2 Remarks	109
6	Number of days of USG funded technical assistance in climate change provided to counterparts or stakeholders								
7	Number of climate adaptation tools, technologies and methodologies developed, tested, and/or adopted as a result of USG assistance								
8	Number of climate vulnerability assessments conducted			1				Quarter 1: USAID/Peru Desktop Study	1
9	Number of people registering to participate in adaptation-related communities of practice MEN								
	Number of people registering to participate in adaptation-related communities of practice WOMEN								
10	Number of people logging on to/accessing the adaptation-related websites supported with USG assistance				2,095	3,502		Quarter 2: Adaptation Partnership Google Diagnostics data for period Jan 1 to April 20, 2012 Quarter 3: Adaptation Partnership Google Diagnostics data for period April to June, 2012. 1,303 out of the 3,502 visitors were viewers for the HMGWP page.	
11	Number of adaptation financing proposals benefitting from USG assistance								

ANNEX III. ORG CHART



PROJECT MANAGEMENT

GLEN ANDERSON

WORK PLAN	G. ANDERSON / K. BAUM
PMP	G. ANDERSON / K. BAUM
STRATEGIC PLANNING /SAC	G. ANDERSON / J. FURLOW
REPORTING	D. TEPLY / K. BAUM
COMMUNICATIONS, OUTREACH, AND COMMUNITIES OF PRACTICE (CoPs)	K. CURTIS / J. FRANKEL-REED
POC FOR SUBCONTRACTORS/CONSULTANTS	D. TEPLY / K. BAUM
SMALL GRANTS	L. LIGHTLE / K. BAUM

PROJECT IMPLEMENTATION

GLEN ANDERSON / PETER SCHULTZ

ACTIVITY 1.1: GUIDANCE	G. ANDERSON / J. FRANKEL-REED	1.1: CASE STUDIES	GLEN ANDERSON	J. FRANKEL-REED
1.1: GUIDANCE, BRIEFS, AND ANNEXES	Y. KIM / J. FRANKEL-REED	CASE STUDIES TO DEMONSTRATE THE MAINSTREAMING GUIDANCE	GLEN ANDERSON	
REVISE V&A MANUAL	Y. KIM / J. FRANKEL-REED	WASH CASE STUDY	JESSICA TROELL	
WATER ANNEX	B. RAUCHER / J. FRANKEL-REED			
COASTAL AND MARINE ANNEX	Y. KIM / J. COOK			
DIFFERENTIATED VULNERABILITIES ANNEX	D. TEPLY / A. MERSHON			
GOVERNANCE ANNEX	J. TROELL / J. COOK			
DEVELOP LESSONS LEARNED ON MAINSTREAMING CLIMATE ADAPTATION	M. SAVONIS / J. FRANKEL-REED			
INFRASTRUCTURE LESSONS LEARNED PILOT	M. SAVONIS / K. BAUM			
YEAR 2: KM / ROLLOUT OF NEW GUIDANCE	ANDRE MERSHON			
YEAR 2: V&A 201 TRAINING	ANDRE MERSHON			
YEAR 2: DRR CLIMATE GUIDANCE BRIEF	NORA FERM			
YEAR 2: LEDS GUIDANCE BRIEF	ASHLEY ALLEN			
YEAR 2: SECURITY/CONFLICT GUIDANCE BRIEF	JOHN FURLOW			
YEAR 2: URBAN/INFRASTRUCTURE GUIDANCE BRIEF	KEN BAUM / NORA FERM			
YEAR 2: RISK MANAGEMENT (INCLUDING DRR) GUIDANCE BRIEF	NORA FERM			
YEAR 2: HEALTH GUIDANCE BRIEF	J. FRANKEL-REED			
YEAR 2: PROJECT DESIGN & MANAGEMENT (INCLUDING FINANCING AND M&E) GUIDANCE BRIEF	JONATHAN COOK			

ACTIVITY 1.2: INFORMATION, TOOLS AND SCI AND TECH	PETER SCHULTZ / J. FRANKEL-REED
UNDERSTAND USAID BUREAU AND MISSION NEEDS FOR CC ADAPTATION TOOLS	PETER SCHULTZ / J. FRANKEL-REED
MAINTAIN GCC OFFICE HELP DESK	ANDRE MERSHON
UNDP ALM WEBSITE	KATHERINE CURTIS / J. FRANKEL-REED

ACTIVITY 1.3: TECHNICAL ASSISTANCE AND CAPACITY BUILDING SUPPORT	GLEN ANDERSON
PROVIDE CAPACITY BUILDING SUPPORT ON MAINSTREAMING V&A	GLEN ANDERSON / ANDRE MERSHON

ACTIVITY 2.1/2.2: ADAPTATION PARTNERSHIP	PETER SCHULTZ	2.2: ADAPTATION PARTNERSHIP CoP	ROSAMUND MISCHÉ JOHN
2.1: ADAPTATION PARTNERSHIP	ROSAMUND MISCHÉ JOHN	FACILITATE ADAPTATION PARTNERSHIP CoP	JIM TARRENT
CONDUCT ADAPTATION PARTNERSHIP WORKSHOPS	ROSAMUND MISCHÉ JOHN	DEVELOP AP MATERIALS	DEBORAH TEPLY / N. FERM
CLIMATE CHANGE AND SECURITY WORKSHOP	ROSAMUND MISCHÉ JOHN		

ACTIVITY 3.1: CLIMATE RESILIENT PROGRAM DESIGN	PETER SCHULTZ
SUPPORT PREPARATION OF NATIONAL ADAPTATION PLANS (NAPS)	YOON KIM

ACTIVITY 3.2: HIGH MOUNTAINS AND GLACIAL WATERSHEDS	PETER SCHULTZ
3.2: HIGH MOUNTAINS AND GLACIAL WATERSHEDS	ALTON BYERS
DEVELOP THE GLOBAL HIGH MOUNTAIN - GLACIAL LAKE PARTNERSHIP CoP	CoP SECRETARIAT - TMI/UT
DESIGN AND CONDUCT THE CLIMBER-SCIENTIST SMALL GRANTS COMPETITION	CoP SECRETARIAT - TMI/UT
ESTABLISH THE CLIMBER-SCIENTIST SMALL GRANTS COMPETITION	TMI/UT
IMPLEMENT CoP PILOT PROJECTS AND RESEARCH	TMI/UT
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